

10/768,431

LUC-463/Barclay 12-10-6-9

**CLAIM AMENDMENTS****RECEIVED  
CENTRAL FAX CENTER****JAN 30 2007**

1 1. (Currently amended) An apparatus, comprising:  
2 a network component that employs a) one or more call characteristics to make a  
3 determination to initiate a request for one or more positions of one or more mobile  
4 stations and b) one or more call parameters to identify one or more cellular network  
5 cells associated with the one or more mobile stations;

6 wherein the network component receives, in response to the request, the one or  
7 more positions of the one or more mobile stations from a position component; and

8 wherein the position component determines the one or more positions of the one  
9 or more mobile stations continuously.

1 2. (Original) The apparatus of claim 1, wherein the network component  
2 performs a comparison of the one or more call characteristics with one or more  
3 thresholds to make the determination to initiate the request for the one or more  
4 positions of the one or more mobile stations.

1 3. (Previously presented) The apparatus of claim 2, wherein the one or more  
2 call characteristics comprise a pilot signal strength characteristic, and wherein the one  
3 or more thresholds comprise a pilot signal strength threshold, and wherein the network  
4 component performs a comparison of the pilot signal strength characteristic with the  
5 pilot signal strength threshold;

10/768,431

LUC-463/Barclay 12-10-6-9

6 wherein the network component makes the determination to initiate the request  
7 for the one or more positions of the one or more mobile stations based on a result of the  
8 comparison of the pilot signal strength characteristic with the pilot signal strength  
9 threshold.

1 4. (Original) The apparatus of claim 2, wherein the network component  
2 employs the one or more call characteristics to create one or more call statistics,  
3 wherein the one or more thresholds comprise one or more call characteristic thresholds  
4 and one or more call statistic thresholds;

5 wherein the network component performs a comparison of the one or more call  
6 statistics with the one or more call statistic thresholds;

7 wherein the network component employs a comparison of the one or more call  
8 characteristics with the one or more call characteristic thresholds and the comparison of  
9 the one or more call statistics with the one or more call statistic thresholds to make the  
10 determination to initiate the request.

1 5. (Original) The apparatus of claim 2, wherein the network component  
2 comprises an interface, wherein the network component receives the one or more  
3 thresholds from a service provider through employment of the interface.

1 6. (Original) The apparatus of claim 1, wherein the network component  
2 employs the determination to initiate the request to promote an avoidance of congestion  
3 in one or more cellular network communication paths.

10/768,431

LUC-463/Barclay 12-10-6-9

1           7.     (Previously presented) The apparatus of claim 6, wherein the network  
2     component makes the determination to initiate the request upon an exceedance of the  
3     one or more call characteristics relative to one or more thresholds;

4           wherein upon the exceedance of the one or more call characteristics relative to  
5     the one or more thresholds, the network component and the position component  
6     cooperate to obtain the one or more positions of the one or more mobile stations.

1           8.     (Original)     The apparatus of claim 7, wherein upon a termination of the  
2     exceedance of the one or more call characteristics relative to the one or more  
3     thresholds, the network component and the position component cooperate to  
4     discontinue attainment of the one or more positions of the one or more mobile stations.

1           9.     (Original)     The apparatus of claim 1, wherein the network component  
2     employs the one or more call characteristics to perform a selection of the one or more  
3     mobile stations from a plurality of mobile stations;

4           wherein the network component employs the selection to formulate the request  
5     for the one or more positions of the one or more mobile stations from the plurality of  
6     mobile stations.

1           10.    (Currently amended) The apparatus of claim 1, wherein the one or more  
2     mobile stations are associated with the one or more cellular network cells; and

3           wherein the network component employs the one or more call characteristics to  
4     perform a selection of the one or more cellular network cells from a plurality of cellular  
5     network cells; and

10/768,431

LUC-463/Barclay 12-10-6-9

6 wherein the network component employs the selection to formulate the request  
7 for the one or more positions of the one or more mobile stations that are associated with  
8 the one or more cellular network cells.

1 11. (Original) The apparatus of claim 10, wherein the network component  
2 employs a switch component to identify the one or more mobile stations that are  
3 associated with the one or more cellular network cells;

4 wherein the network component employs the switch component to determine the  
5 one or more positions of the one or more mobile stations that are associated with the  
6 one or more cellular network cells.

1 12. (Original) The apparatus of claim 1, wherein the network component  
2 receives the one or more positions of the one or more mobile stations in response to the  
3 request;

4 wherein the network component employs the one or more positions of the one or  
5 more mobile stations and the one or more call characteristics to develop a coverage  
6 map.

1 13. (Original) The apparatus of claim 1, further comprising:

2 a switch component that provides the one or more call characteristics to the  
3 network component;

4 wherein the network component employs the one or more call characteristics to  
5 make a determination to initiate a request to the switch component;

6 wherein the switch component obtains the one or more positions of the one or  
7 more mobile stations based on the request to the switch component.

10/768,431

LUC-463/Barclay 12-10-6-9

1           14. (Currently amended) The apparatus of claim 13, wherein the network  
2 component provides to the switch component the one or more call parameters;

3           wherein the switch component employs the one or more call parameters to  
4 perform an identification of the one or more mobile stations from a plurality of mobile  
5 stations; and

6           wherein the switch component employs the identification of the one or more  
7 mobile stations from the plurality of mobile stations to obtain the one or more positions  
8 of the one or more mobile stations.

1           15. (Original) The apparatus of claim 14, wherein the one or more mobile  
2 stations are associated with one or more calls;

3           wherein the switch component employs the one or more call parameters to  
4 perform an identification of the one or more calls from a plurality of calls;

5           wherein the switch component employs the identification of the one or more calls  
6 from the plurality of calls to obtain the one or more positions of the one or more mobile  
7 stations that are associated with the one or more calls.

1           16. (Previously presented) The apparatus of claim 13, wherein the network  
2 component and the switch component receive the one or more positions of the one or  
3 more mobile stations from the position component;

4           wherein the network component and the switch component cooperate to develop  
5 a coverage map through employment of the one or more positions of the one or more  
6 mobile stations.

10/768,431

LUC-463/Barclay 12-10-6-9

1 17. (Original) The apparatus of claim 16, wherein the position component  
2 employs one or more of an Enhanced Forward Link Trilateration algorithm and an IS-  
3 801 solution using an Assisted Global Positioning System (AGPS), Advanced Forward  
4 Link Trilateration (AFLT) or combined AGPS/AFLT algorithm to determine the one or  
5 more positions of the one or more mobile stations.

1 18. (Currently amended) A method, comprising the steps of:  
2 initiating a request for one or more positions of one or more mobile stations  
3 through employment of a) one or more call characteristics and b) one or more call  
4 parameters to identify one or more cellular network cells associated with the one or  
5 more mobile stations;

6 receiving, in response to the request, the one or more positions of the one or  
7 more mobile stations; and

8 determining the one or more positions of the one or more mobile stations  
9 continuously.

1 19. (Original) The method of claim 18, wherein the step of initiating the  
2 request for the one or more positions of the one or more mobile stations through  
3 employment of the one or more call characteristics comprises the steps of:

4 performing a comparison of the one or more call characteristics with one or more  
5 thresholds; and

6 initiating the request for the one or more positions of the one or more mobile  
7 stations based on the comparison.

10/768,431

LUC-463/Barclay 12-10-6-9

1           20. (Currently amended) The method of claim 19, wherein the step of  
2 initiating the request for the one or more positions of the one or more mobile stations  
3 based on the comparison comprises the steps of:

4           determining the one or more call parameters associated with the one or more  
5 thresholds;

6           identifying the one or more mobile stations from a plurality of mobile stations  
7 through employment of the one or more call parameters; and

8           initiating the request for the one or more positions of the one or more mobile  
9 stations through employment of the one or more call parameters.

1           21. (Currently amended) ~~An article~~ A computer-readable medium having  
2 computer executable instructions for performing steps, comprising:

3           ~~one or more computer readable signal bearing media;~~

4           means in the one or more media for initiating a request for one or more positions  
5 of one or more mobile stations through employment of a) one or more call  
6 characteristics and b) one or more call parameters to identify one or more cellular  
7 network cells associated with the one or more mobile stations.

1           22. (Previously presented) The apparatus of claim 16, wherein the  
2 position component is pre-provisioned with one or more intervals of time to determine  
3 the one or more positions of the one or more mobile stations.

1           23. (New) The apparatus of claim 5, wherein the thresholds provide a  
2 measure of a quality level of service provided to the one or more mobile stations.